

J.  
Seharaseyon

1600

#13

## RAW SEQUENCE LISTING

DATE: 09/23/2002

PATENT APPLICATION: US/09/648,569A

TIME: 14:32:31

Input Set : A:\0202us810-Seqlist-Sept2002.txt

Output Set: N:\CRF4\09232002\I648569A.raw

ENTERED

3 <110> APPLICANT: Pedersen, A.H., et al.  
4 Maxygen ApS  
6 <120> TITLE OF INVENTION: Interferon-Beta Variants and Conjugates  
8 <130> FILE REFERENCE: 0202us810  
10 <140> CURRENT APPLICATION NUMBER: US 09/648,569A  
11 <141> CURRENT FILING DATE: 2000-08-25  
13 <160> NUMBER OF SEQ ID NOS: 45  
15 <170> SOFTWARE: PatentIn Ver. 2.1  
17 <210> SEQ ID NO: 1  
18 <211> LENGTH: 840  
19 <212> TYPE: DNA  
20 <213> ORGANISM: Homo sapiens  
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24 gttcgtgttg tcaacatgac caacaagtgt ctctccaaa ttgctctcct gttgtgcttc 120  
25 tccactacag ctctttccat gagctacaac ttgcttggtat tctacaaaag aagcagcaat 180  
26 tttcagtgtc agaagctcct gtggcaattg aatgggaggc ttgaatactg cctcaaggac 240  
27 aggatgaact ttgacatccc tgaggagatt aagcagctgc agcagttcca gaaggaggac 300  
28 gccgcattga ccatctatga gatgctccag aacatctttg ctattttcag acaagattca 360  
29 tctagcactg gctggaatga gactattggt gagaacctcc tggctaagt ctatcatcag 420  
30 ataaaccatc tgaagacagt cctggaagaa aaactggaga aagaagattt caccagggga 480  
31 aaactcatga gcagtctgca cctgaaaaga tattatggga ggattctgca ttacctgaag 540  
32 gccaggagt acagtcactg tgccctggacc atagtcagag tggaaatcct aaggaaacttt 600  
33 tacttcatta acagacttac aggttacctc cgaaactgaa gatctcctag cctgtgcctc 660  
34 tgggactgga caattgcttc aagcattctt caaccagcag atgctgttta agtgactgat 720  
35 ggctaagtga ctgcatatga aaggacacta gaagattttg aaatttttat taaattatga 780  
36 gttattttta itttatttaa ttttattttg gaaaataaat tatttttggt gcaaaagtca 840  
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40 <211> LENGTH: 166  
41 <212> TYPE: PRT  
42 <213> ORGANISM: Homo sapiens  
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45 Met Ser Tyr Asn Leu Leu Gly Phe Leu Gln Arg Ser Ser Asn Phe Gln  
46 1 5 10 15  
48 Cys Gln Lys Leu Leu Trp Gln Leu Asn Gly Arg Leu Glu Tyr Cys Leu  
49 20 25 30  
51 Lys Asp Arg Met Asn Phe Asp Ile Pro Glu Glu Ile Lys Gln Leu Gln  
52 35 40 45  
54 Gln Phe Gln Lys Glu Asp Ala Ala Leu Thr Ile Tyr Glu Met Leu Gln  
55 50 55 60  
57 Asn Ile Phe Ala Ile Phe Arg Gln Asp Ser Ser Ser Thr Gly Trp Asn  
58 65 70 75 80  
60 Glu Thr Ile Val Glu Asn Leu Leu Ala Asn Val Tyr His Gln Ile Asn

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61           85           90           95
63 His Leu Lys Thr Val Leu Glu Glu Lys Leu Glu Lys Glu Asp Phe Thr
64           100           105           110
66 Arg Gly Lys Leu Met Ser Ser Leu His Leu Lys Arg Tyr Tyr Gly Arg
67           115           120           125
69 Ile Leu His Tyr Leu Lys Ala Lys Glu Tyr Ser His Cys Ala Trp Thr
70           130           135           140
72 Ile Val Arg Val Glu Ile Leu Arg Asn Phe Tyr Phe Ile Asn Arg Leu
73 145           150           155           160
75 Thr Gly Tyr Leu Arg Asn
76           165
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90 ctgctcctgt                                     70
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94 <211> LENGTH: 70
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
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103 agctgaacgg                                     70
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107 <211> LENGTH: 70
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
114 <400> SEQUENCE: 5
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116 tctgaccatc                                     70
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121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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129 aacgtgtacc                                     70
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133 <211> LENGTH: 70

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142 agcgctacta 70
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147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
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158 <210> SEQ ID NO: 9
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161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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173 <212> TYPE: DNA
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186 <212> TYPE: DNA
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199 <212> TYPE: DNA
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202 <220> FEATURE:
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211 <211> LENGTH: 70
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
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223 <210> SEQ ID NO: 14
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225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
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233 ggcgatctgg 70
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238 <212> TYPE: DNA
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242 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
244 <400> SEQUENCE: 15
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246 caccagcatc 70
249 <210> SEQ ID NO: 16
250 <211> LENGTH: 70
251 <212> TYPE: DNA
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254 <220> FEATURE:
255 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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259 gcgtttaaac 70
262 <210> SEQ ID NO: 17
263 <211> LENGTH: 70
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
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272 ctggtgcttc 70
275 <210> SEQ ID NO: 18

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278 <213> ORGANISM: Artificial Sequence
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285 tagccagctt 70
288 <210> SEQ ID NO: 19
289 <211> LENGTH: 40
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291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
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322 aatccgccag ctgcagc 77
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326 <211> LENGTH: 35
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
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331 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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337 <210> SEQ ID NO: 23
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340 <213> ORGANISM: Artificial Sequence
342 <220> FEATURE:
343 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
345 <400> SEQUENCE: 23
346 caccacactg gactagtgga tccttatcag ttgcgcaggt agccggtcag gcggttgatg 60

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VERIFICATION SUMMARY

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L:576 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:42